

Full text available:  Pdf (308.39 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 220, Downloads (12 Months): 350, Downt

A bewildering number of proposals have offered solutions to the privacy
This article tries to give an overview of the currently discussed approach

Keywords: Privacy, RFID

5 [On the power of simple branch prediction analysis](#)

 Onur Aciqmez, Cetin Kaya Koç, Jean-Pierre Seifert

March 2007 **ASIACCS '07: Proceedings of the 2nd ACM symposium on Information and security**

Publisher: ACM 

Full text available:  Pdf (3.40 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 95, Download

Very recently, a new software side-channel attack, called Branch Prediction Analysis, was discovered and also demonstrated to be practically feasible on popular microprocessors. This recent attack still had the flavor ...

Keywords: RSA, branch prediction analysis, modular exponentiation, side-channel attack

6 [MAX: Wide area human-centric search of the physical world](#)

 Kok-KIONG Yap, Vikram Srinivasan, Mehul Motani

August 2008 **Transactions on Sensor Networks (TOSN)**, Volume 4 Issue 4

Publisher: ACM 

Full text available:  Pdf (6.03 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 203, Download

We propose MAX, a system that facilitates human-centric search of the physical world. A priori, it allows humans to search for and locate them as needed. Design, implementation, and evaluation of MAX for a human-centric operation, ...

Keywords: Human-centric, landmark-based localization, physical world

7 [Proceedings of the 2005 ACM symposium on Applied computing](#)

 Hisham M. Haddad, Andrea Omicini, Roger L. Wainwright, Lorie M. Liebrock

March 2005 **SAC '05: Proceedings of the 2005 ACM symposium on Applied computing**

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Download

Welcome to the 20th Annual ACM Symposium on Applied Computing (SAC). We are grateful to the many sponsors and supporters of the conference. On behalf of the organizing committee, thank you for participating ...

8

[Level set and PDE methods for computer graphics](#)

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ru
August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes
Publisher: ACM [Request Permissions](#)
Full text available:  [PDF](#) (17.07 MB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 131, Downloads (12 Months): 1050, Dow

Level set methods, an important class of partial differential equation (PDE) implicitly as the level set (iso-surface) of a sampled, evolving nD function material that introduces the ...

9 The elements of nature: interactive and realistic techniques
Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Tessendorf
August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf \(17.65 MB\)](#) Additional Information: [full citation](#), [abst](#)
Bibliometrics: Downloads (6 Weeks): 220, Downloads (12 Months): 1551, Dov

This updated course on simulating natural phenomena will cover the latest developments in the field, simulating most of the elements of nature. The presenters will provide research perspectives ...

10 GPGPU: general purpose computation on graphics hardware
David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia
August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf \(63.03 MB\)](#) Additional Information: [full citation](#), [absi](#)
Bibliometrics: Downloads (6 Weeks): 244, Downloads (12 Months): 1625, Dov

The graphics processor (GPU) on today's commodity video cards has evolved significantly. The latest graphics architectures provide tremendous memory bandwidth with fully programmable vertex ...

11 Design, implementation and testing of extended and mixed precision
Xiaoye S. Li, James W. Demmel, David H. Bailey, Greg Henry, Yozo Hida, J.
Anil Kapur, Michael C. Martin, Brandon J. Thompson, Teresa Tung, Daniel
June 2002 **Transactions on Mathematical Software (TOMS)**, Volume
Publisher: ACM  [Request Permissions](#)
Full text available:  [PDF \(456.84 KB\)](#) Additional Information: [full citation](#), [absl](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 87, Downlo

This article describes the design rationale, a C implementation, and con Standard for the BLAS (Basic Linear Algebra Subroutines): Extended an internal precision and mixed ...

Keywords: BLAS, double-double arithmetic, extended and mixed precision

12 A review of vessel extraction techniques and algorithms Cemil Kirbas, Francis Quek

June 2004 **Computing Surveys (CSUR)**, Volume 36 Issue 2
 **Publisher:** ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (8.06 MB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 89, Downloads (12 Months): 699, Downl

Vessel segmentation algorithms are the critical components of circulatory systems. In this survey, we present a survey of vessel extraction techniques and algorithms. We put the various techniques in perspective ...

Keywords: Magnetic resonance angiography, X-ray angiography, medical image segmentation, vessel extraction

13 [The data mining approach to automated software testing](#)
 **Mark Last, Menahem Friedman, Abraham Kandel**
August 2003 **KDD '03: Proceedings of the ninth ACM SIGKDD international conference on knowledge discovery and data mining**
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (296.40 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 338, Downl

In today's industry, the design of software tests is mostly based on the test cases. These test cases are limited to execution of pre-planned tests only. Evaluation of test output is done by human ...

Keywords: automated software testing, finite element solver, info-fuzz testing

14 [A system for understanding imaged infographics and its applications](#)
 **Weihua Huang, Chew Lim Tan**
August 2007 **DocEng '07: Proceedings of the 2007 ACM symposium on Document engineering**
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (1.13 MB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 59, Downlo

Information graphics, or infographics, are visual representations of information. The analysis of infographics in documents is a relatively new research problem, which has not been well studied. Infographics can appear as raster images, ...

Keywords: applications, association of text and graphics, document image analysis

15 [Artistic screening](#)
 **Victor Ostromoukhov, Roger D. Hersch**
September 1995 **SIGGRAPH '95: Proceedings of the 22nd annual conference on computer graphics and interactive techniques**
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (4.15 MB) Additional Information: [full citation](#), [refe](#)
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 44, Downlo

Keywords: artistic screening, graphic design, halftoning, image repro

16 Shrouds: optimal separating surfaces for enumerated volumes

Gregory M. Nielson, Gary Graj, Ryan Holmes, Adam Huang, Mariano Phielip

May 2003 **VISSYM '03: Proceedings of the symposium on Data visualis**

Publisher: Eurographics Association

Full text available:  [PDF](#) (1.58 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Download

We describe new techniques for computing a smooth triangular mesh surface consisting of a collection of points from a 3D rectilinear grid. The surface is computed by a marching cubes ...

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